

QFIH/00-1A

cubic photosensors

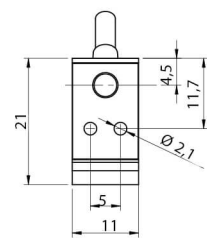
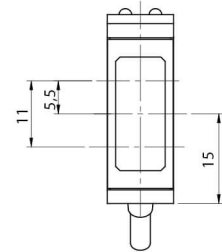
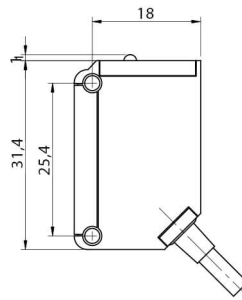


Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

| | |
|--------------------------|---------|
| Nominal sensing distance | 15m |
| Repeat Accuracy | 5% |
| Sensitivity adjustment | Trimmer |

Application

| | |
|--------------------|---------|
| Function Principle | Emitter |
| Emitter/Receiver | Emitter |
| Optic position | 90° |

Electrical data

| | |
|--------------------------------|--------------------|
| Operating Voltage | 10-30Vdc |
| No-Load supply current | ≤25mA |
| Output voltage drop | 2V max. IL =100 mA |
| Max ripple content | 10% |
| LED indicators | Green (power on) |
| Time delay before availability | ≤30ms |
| Short-circuit protection | Yes |
| Reverse Polarity Protection | Yes |
| Emission | Infrared (850nm) |

| | |
|----------------------------------|-----|
| Impulsive Overvoltage Protection | Yes |
|----------------------------------|-----|

Mechanical data

| | |
|-----------------------|-----------------------------------|
| Dimensions | 31,4x21x11mm |
| Weight | 100g |
| Housing Material | Stainless steel 316L |
| Connections | 2m PVC cable |
| Active Head Material | PPSU |
| Operating temperature | - 25°C...+ 60° C (Without freeze) |
| Storage temperature | -40° ... +70°C |
| Diameter/Dimension | Cubic |

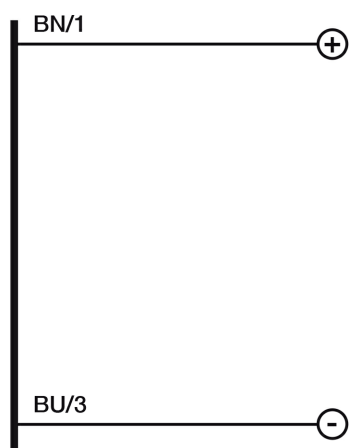
Test/Approvals

| | |
|-----------------------|--|
| Approvals | CE cULus, ECOLAB |
| EMC compatibility | EN 60947-5-2 |
| Shocks and vibrations | Vibration IEC 60068-2-6 / Shock IEC 60068-2-27 |
| Degree of protection | IP68, IP69K |

Accessories

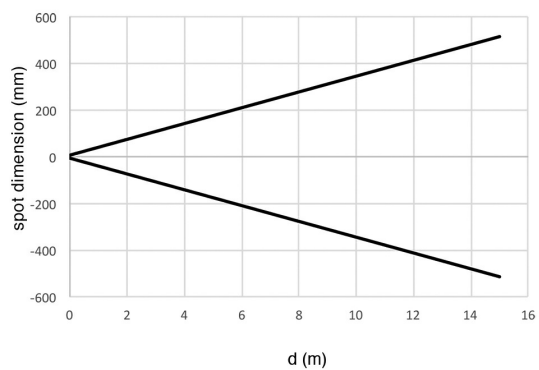
| | |
|----------------------|-----------------|
| Supplied Accessories | Mouting bracket |
|----------------------|-----------------|

ELECTRICAL DIAGRAMS OF THE CONNECTIONS

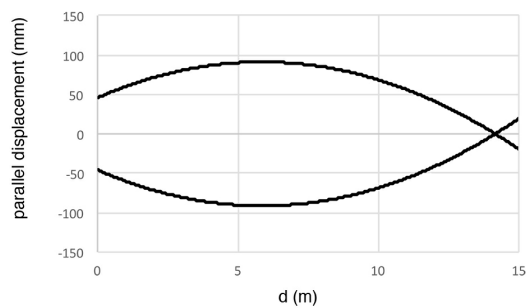


RESPONSE CURVES

Dimensione Spot



Disassamento Parallelo



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